



# Department of Finance Purchasing and Contracts

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## CLARK COUNTY, NEVADA BID NO. 602508-12 WETLANDS PARK NATURE CENTER EXHIBIT

February 8, 2012

### ADDENDUM NO. 2

#### INVITATION TO BID

1. The Bid Opening date of February 16, 2012 at 2:15:00 p.m. **remains unchanged.**

#### SPECIAL CONDITIONS

2. The Interview for the Low Bidder is changed from February 20, 2012 to **February 21, 2012 at 9:00 a.m. – 12:00 p.m.**

#### CHANGES TO THE PROJECT MANUAL:

#### 3. **Section 09 51 00 – FABRIC CEILING CLOUDS**

**Delete the current section and replace with new one 09 51 10 CEILING CLOUDS. Change the specification** for the clouds to be Fabric Wallcraft or an approved equal. A new specification is included in this addendum, please see attached.

#### 4. **Section 12 14 30 – FURNISHINGS**

##### **Add – Section 2.4 – Benches**

- A. Provide wood benches as shown on the drawings, four (4) total.
- B. Benches shall be **Botanist; Jetson-Green**, natural wood in maple or similar; or equal.
- C. 60 inches long x 18 inches deep x 18 inches.
- D. Surface mount anti-theft security feet for anchoring to floor.



### **CHANGES/ CLARIFICATIONS TO THE DRAWINGS:**

5. **Plan: EX3 – Retail/ Reception Area:**
  - A. Furnish and install gypsum board wrap around the square column within the reception desk. Provide metal channels as required to install the gyp. bd. so that column remains square.
  - B. Take to approximately 18'-0" above finish floor and terminate at top around column.
  - C. Tape, texture and paint to match walls. Color to match walls.
  - D. Provide 4" high rubber base around base.
6. **Power/ Data Plan: Exhibit EX15:** Furnish and install a duplex receptacle for the frog sculpture. This is located between Gridlines 9 & 10 and C.9 & D.9. Route to panel CL-34,36,38.

### **REQUEST FOR INFORMATION RESPONSES:**

The following are the RFI's received to date along with applicable responses:

7. **EX2-3/AV1**
  - A. Do you envision a soundtrack for this presentation in addition to the nature sounds described in the text document?  
**Response: Yes, a soundtrack should accompany the presentation.**
8. **EX4-5; AV1 & AV2**
  - A. Is the text document intended to be the script for this program or is the contractor required to develop a script?  
**Response: The contractor is responsible for script development and approval.**
9. **EX8-2.5/AV1**
  - A. Text document describes program as "Our resident naturalist describing...". Does this footage exist or will it need to be produced? If it's an original production, will we use a member of your staff on-camera as described?  
**Response: The footage will need to be written and produced. Staff will be made available for interviews.**
10. **EX12-2.8: Computer Activity #1 and #2**
  - A. Are these computer programs also part of the exhibit fabricators scope of work?  
**Response: Yes.**
11. **EX14-1/AV1**
  - A. Description in the text document lists the following questions. *What footage is available? Is audio included? How long, how many?* Have these questions been answered?  
**Response: No client provided footage exists. It will need to be sourced and produced by the contractor. The exception is that the Wetlands welcoming video that will be shown in the Auditorium has been produced by the Owner.**

12. **Flooring in EX15:** Drawing #17 shows "rubberized flooring" for EX15. Is this in the Exhibit Fabricator's Scope of Work.

**Response:** Yes, the rubberized flooring is in this contract's scope of work.

**As shown, the rubberized flooring shall be equal to Kindercush rubberized playground flooring by Intracor, or PlayBound Poured-In-Place rubberized flooring or equal.**

**Flooring at this exhibit shall be in two (2) colors, one to simulate earth and the other – water. Utilize standard manufacturer colors, including combining colors, similar to 50% beige and 50% black. Approximately 1 inch thick as shown. footage exists. It will need to be sourced and produced by the contractor. The exception is that the Wetlands welcoming video that will be shown in the Auditorium has been produced by the Owner.**

END OF ADDENDUM NO. 2

Except as modified herein, all other bid specifications, terms, conditions and special provisions shall remain the same.

ISSUED BY:



ROYAL ALEXANDER  
Purchasing Analyst

Attachment(s): Section 09 51 10

Cc: Yolanda Jones, Purchasing Manager  
Adleen Stidhum, Purchasing and Contracts  
Chuck James, Real Property Management  
Kety Allred, Real Property Management  
Christopher Larsen, Dekker Perich Sabatini

## SECTION 09 51 10

### CEILING CLOUDS

#### PART 1—GENERAL

##### 1.01 SCOPE

- A. Furnish and install Barrisol patented “cadmium free” stretch polymer membrane (non-fabric) system as manufactured by BARRISOL Normalu S.A., 68680 Kembs, France (or manufactured under license). Drawings and general provisions of the Construction Contract, including general and supplementary Conditions and Division 1 Specification sections, apply to work of this Section.

##### 1.02 SUMMARY

- A. This Section includes stretched membrane (non-fabric) ceiling systems complete with accessories for interior installations.
  - 1. Division 1 Section Alternates

##### 1.03 REFERENCE STANDARDS

- A. Requirements, abbreviations and acronyms for reference standards are defined in Section 01095.
- B. Fire Rating: BARRISOL stretched (non-fabric) ceiling shall have a fire hazard of Class 1 in the USA within the requirements of the ASTM E84 Flame Spread Test.
- C. Other Testing: BARRISOL stretched ceiling shall successfully meet criteria for: UBC 17-5 Room Fire Test Standard, N.Y.S. Pittsburgh Protocol Toxicity Test City of New York Building Department.
- D. Stretched ceiling system must be UL approved.
- E. Stretch polymer membrane shall be produced without the use of phthalates.

##### 1.04 QUALITY ASSURANCE

- A. The work of this section shall be performed by a company which specializes in the type of stretched membrane ceiling system required by this project, with a minimum of 5 years documented successful experience and shall be performed by skilled workmen thoroughly trained in the necessary craft.
  - 1. Work shall be performed in compliance with Owner's insurance Underwriters' requirements and UL Approvals and Testing for materials, assemblies and procedures.
- B. The membrane shall be stretched over the subsurface and hooked into the BARRISOL rails without glue or clips.
- C. The stretch ceiling membrane shall be removable by hand and approved tools for visible inspection, to provide access above the stretched membrane, and to provide for subsequent re-installation.
- D. The patented “cadmium free” stretch polymer membrane shall be produced without the use of phthalates.
- E. The membrane shall not be less than 17/100 mm thick and shall not have a weight of more than 20g per square foot for all finishes except Brushed Suede.
- F. The width of sheeting between two factory welds shall not be less than 5'6".
- G. All membranes/sheets (except Brushed Suede) shall be washable and antibacterial.

- H. No Stretched Fabric Ceilings are Accepted.

#### 1.05 SUBMITTALS

- A. Product Data: Shall be clearly marked to indicate all technical information which specifies full compliance with requirements of this Section, contract documents, and the manufacturers' published installation recommendations, including but not limited to the following: samples and printed materials.
- B. Dealer Certification: Submit in writing the manufacturers' certification.
- C. Warranty: Submit manufacturers' limited warranty against defeats in product, harpoon welds, sheet welds and colorfastness for a period of two years and workmanship for a period of ten years.
- D. Samples for Initial Selection Purpose: Submit samples of all standard colors and finishes for membranes and rails.
- E. Samples for Verification Purpose: Submit 6" square samples of each type and color of membrane and rail specified.
- F. Certified Test Reports: Submit test data from an independent testing agency, acceptable to authorities having jurisdiction, evidencing that ceiling assembly has a fire hazard of Class 1 in the USA within the requirements of the ASTM E84 Flame Spread Test.
- G. Submit written proof showing that all "cadmium free" stretch polymer membranes (non-fabric) are produced with plasticizers without phthalates.

#### 1.06 PROJECT CONDITIONS

- A. Do not begin installation until spaces to receive stretched ceilings have been enclosed, sufficient heat is provided, dust generating activities have terminated, and overhead mechanical and electrical work is completed, tested and approved.
- B. Permit wet work to dry prior to commencement of installation.
- C. Maintain uniform temperatures and humidity prior to, during and after installation.
- D. The ceiling cavity must be airtight.
- E. If a ventilation system is used, air intakes and outlets must have the right dimensions to be correctly balanced.
- F. All drywall in recessed Barrisol areas must be include blocking, be taped, and painted white and dust free.

#### 1.07 COORDINATION

- A. Coordinate layout and installation of ceiling system with other construction that penetrates the ceiling or is supported by them, including light fixtures, HVAC, fire suppression system, and partition assemblies.

#### 1.08 STORAGE AND HANDLING

- A. Store all materials off the ground and protected from dirt and dust of construction operations.
- B. Materials are to be acclimated to installation conditions for 48 hours prior to installations.
- C. Handle all materials in a manner that will protect them from damage.

## PART 2 ---PRODUCTS

### 2.01 MANUFACTURERS

- A. Basis of Design: The BARRISOL Stretch Ceiling as manufactured by BARRISOL Normalu S.A., 68680 Kembs, France (or manufactured under license).

Provide Barrisol stretch membrane system from one of the authorized sources below.

1. Fabric Wallcraft of California – (800) 615-0516
2. The Bartley Group – (888) 846-0029
3. Architectural Acoustics – (310) 773-1172

### 2.02 COMPONENTS

- A. Stretch PVC (polyvinyl chloride base, guaranteed cadmium free) membrane-ceiling sheet produced with plasticizers without phthalates: The ceiling membrane will be custom produced according to exact field measurements. The membrane will be connected together by factory welds if necessary to achieve the appropriate size.
1. Finish for suspended Barrisol Fixtures: *Videllier LR02*
  2. Dust Shield: BS 04000 – Neride – If double membrane required
- NOTE: Stretched Fabric Ceilings Do Not meet the design intent of this specification.
- B. Harpoon: A semi-rigid PVC harpoon is welded at the factory onto the perimeter of the ceiling membrane.
1. Harpoon to be black.
- C. Barrisol Star Aluminum Rail System includes: Choose one according to installation type
1. Star Aluminum Custom Rec as specified per RCP drawings
  2. Star Aluminum Rail BSC06/355 – For use with free hanging panel suspension system as specified per RCP drawings
  3. Rail to be powder coated to match membrane using powder coated standard colors.
- NOTE: PVC rails Do Not meet the design intent of this specification.
- D. Rings: If required, reinforcement rings in Class A PVC available in the shape and size to fit, sprinkler heads, HVAC, smoke detectors, etc.
- E. Acoustical Materials: If required, can be installed above the BARRISOL ceiling but not on it. This acoustical material must meet the requirements of the acoustical specialist and comply with the requirements of the contract documents.
- F. Seams/Welds: If required, the seams will be lapped and factory welded. Note: Ceiling sizes should be kept to a maximum of 450 sq. feet to avoid mid-rail conditions.
- G. The seaming location is to be specified by the architect.

## PART 3 — EXECUTION

### 3.01 EXAMINATION

- A. Install BARRISOL Stretch Ceiling System in accordance with approved submittals, reflected ceiling plan in Architectural Drawings, manufacturer's published recommendations and Contract Documents.
- B. Examine the condition of the installation site and the conditions. Notify the Contractor or Architect in writing of any unsatisfactory conditions; do not proceed with the work until such conditions have been corrected in a manner satisfactory to the BARRISOL installers.

- C. Survey the installation site for exact field measurements for custom production of the ceiling membrane. Take actual field measurements for each ceiling.
  - D. Inspect each space which is to receive wall fixed mounted rails. The surface where the rails will be fixed must be smooth, flat and finished prior to installation of rails.
  - E. The stretched ceiling should only be installed if the wet work is completed and dry, the space is enclosed weather tight and dust free, all painting and wall covering is completed and dry, the work of other trades is completed included electrical work, sprinkler systems, HVAC, etc.
- 3.02 Installation
- A. Field measure each space with a stretch ceiling.
  - B. Fasten the rails at the perimeter of each room using mitered cut corners and the appropriate fixing technique for each type of surface as recommended by BARRISOL.
  - C. Heat the ceiling membrane to release the sheet for installation purposes.
  - D. Extend the membrane into the rails with the appropriate BARRISOL tool.
  - E. After the membrane is completely secured, the heating source should be removed to allow the membrane to recover to its designated size, free of wrinkles.
  - F. Make all required penetrations for, HVAC, sprinkler systems, etc. and secure the opening with a BARRISOL reinforcement ring or square using the appropriate technique for each item as recommended by BARRISOL.

#### PART 4 — CLEANING & MAINTANENCE

##### 4.01 CLEANING & MAINTENANCE

- A. Clean the complete ceiling installation and adjoining construction as required.
- B. Provide a written recommendation for cleaning and maintenance procedure including a list of approved cleaning products.
- C. The owner upon contract with the Barrisol installation contractor shall agree on a fixed per diem cost schedule for all required maintenance or cleaning. A 72 hour notice will be required for all necessary maintenance.

#### PART 5 — PROTECTION

##### 5.01 PROTECTION

- A. The general contractor is responsible for protecting the BARRISOL ceilings from damage from all other trades during construction.

END OF SECTION